

GILA RIVER BASIN

09470900 SAN PEDRO RIVER TRIBUTARY NEAR BISBEE, AZ

LOCATION.--Lat 31°34'12", long 110°01'36", SW¹/₄SE¹/₄ sec.29. T.21 S., R.23 E., Cochise County, Hydrologic Unit 15050202, at U.S. Highway 80, 11 mi northwest of Bisbee.

DRAINAGE AREA.--7.12 mi², of which 1.87 mi² is noncontributing.

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	09-20-63	360	LT	1971	07-23-71	780	LT
1964	08-10-64	962		1972	08-26-72	620	
1965	09-04-65	1,460		1973	07-00-73	280	
1966	00-00-66	150		1974	00-00-74	1,000	
1967	08-12-67	1,060		1975	07-24-75	320	
1968	07-00-68	400		1976	00-00-76	60	
1969	08-30-69	120		1978	10-07-77	800	
1970	07-28-70	556		1979	00-00-79	20	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76, 1978-79

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
498	885	1,170	1,550	1,840	2,140
Weighted skew	(logs) =	-0.34			
Mean	(logs) =	2.68			
Standard dev.	(logs) =	0.31			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
129	3.9	4,770	2.2	1.0	16.0	1.9	4.1

